SONY
make.believe

HDR-CX430V/B

High Definition Camcorder

Have it all: Remarkable, Full HD 60p video and 55x Extended Zoom. Now you can capture everything—
even when you're moving— with impressive clarity and smoothness thanks to Balanced Optical SteadyShot™ image stabilization. Want more? The multi-interface shoe lets you add a wide variety of accessories and capabilities, including Wi-Fi.[14]

Key Features

1920x1080 Full HD 24p/60p w/20.4MP Exmor R® CMOS Sensor

Create cinematic video in high definition 1920 x 1080 24p/60p and high quality 20.4MP still images. Experience stunning low-light sensitivity with improved image clarity and drastically reduced grain with Sony's back-illuminated Exmor® R CMOS sensor. Designed for compact cameras and camcorders, the Exmor® R CMOS sensor relocates the photo diodes above the support circuitry, maximizing the light gathering area per pixel so you can shoot with better results in lower lighting conditions.

Balanced Optical SteadyShot™ image stabilization w/ Active Mode

On standard SteadyShot camcorders a single "shift lens" is moved in the optical block to offset camera shake. Balanced Optical SteadyShot™ w/ Active Mode moves the entire optical block at once, maintaining the integrity of the optical path and improving shake reduction by up to 13X. It also reduces vignetting (light falloff towards the edge of a scene) and lowers distortion in videos and still photos.

Up to 11hr 40min recording with 32GB[1] embedded Flash Memory

The built-in 32GB[1] embedded Flash memory can record and store up to 11 hours 40 minutes of high definition video footage (HD LP mode).

5.1ch Surround mic for vivid and dynamic surround sound.

Dolby® Digital 5.1 channel recording captures active sounds coming from all directions, so you can experience your home movies the way you experienced them while recording.

Attach an array of accessories via Multi-Interface shoe

Sony's Multi-Interface shoe is specifically designed to offer a common interface across all of Sony's Digital Imaging products. Quickly and easily attach a vast array of accessories compatible with this interface, including optional video lights, microphones and even Sony's new Wi-Fi module4, and dramatically increase the quality of your videos.

Wireless control, transfer, data backup via Wi-Fi®[14]

Handycam® camcorders with Multi-Interface shoe are compatible with a myriad of powerful accessories, including Sony's new optional Wi-Fi adapter ADP-WL1M1. Turn compatible smartphones and tablets into a remote control for your camcorder (remote functions include zoom, REC start/stop, and changing recording modes). Instantly share your videos and photos online using your smartphone or tablet. Conveniently backup all your videos and photos on your PC without any wires.

Shoot high quality AVCHD or web optimized MP4 video

Select between HD video in the AVCHD or MP4 format for highest quality or easy transfer and sharing.AVCHD provides premium video that can be enjoyed on large screen HDTVs, and is ideal for capturing precious memories at special occasions, family vacations and other moments you want to treasure for a lifetime. MP4 is great for those moments that you want to quickly share on your social networks or store on the cloud. MP4 produces smaller files optimized for web viewing and makes wireless transfer a breeze (on select Handycam camcorder's with Wi-Fi feature and optional accessory ADP-WL1M).

CinemaTone presets and 24p recording for cinematic quality video

For extra control over image expression, CinemaTone technology is used to deepen the color and recreate film-like color tones. Combined with 24p recording, you'll have some of the tools you need to fulfill your need for cinematic expression.

SONY
make.believe

55x Extended Zoom to get even closer to the action

Extended Zoom works in conjunction with 30x optical zoom to get even closer to the action while maintaining HD image quality.

Wide Angle G lens to capture more of what you want

Experience the pinnacle of Sony® lens technology with the professional-quality G Lens. Engineered for superior optical performance, Sony G lenses deliver brilliant, accurate color reproduction and sharp, amazingly detailed images. In addition, the 26.8mm focal length in Photo and Video Modes offers a broader perspective for enhanced wide angle shooting.

New Advanced Sound System for Premium Audio

Premium video demands premium audio. This is why Sony has enhanced the sound system in select Handycam® camcorders. A wider dynamic range allows for clearer and cleaner sound recording when shooting in areas with either too much background noise or where the audio level is too low. Additionally, manual audio level adjustment allows users to fine tune sound recordings. These improvements add on to existing features of Wind Noise Reduction and Closer Voice technology that work with the camcorder's built in face-detection technology to automatically reduces background noise.

3.0" wide Clear Photo Plus™ LCD (230k) touch screen

The 3.0" (16:9) Clear Photo Plus™ LCD touch screen (230K) displays sharp, bright, vivid images, letting you compose a shot more easily -- even outdoors, while enabling you to change settings to best represent the scene. Use the touchscreen to select faces and objects to keep in focus and monitor levels of exposure while you record.

Tracking Focus follows selected subjects in/out of the frame

Tracking Focus works as an extension of Face Detection to allow you to select an object with a touch of the LCD and have the focus follow the selected object, even if it leaves the frame and returns.

Wind noise reduction for clear voice recording

Wind Reduction reduces noise and interference that is produced when wind passes over the microphone, giving you a clearer and more enjoyable sound experience.

Closer Voice (with Face Detection)

When the camcorder's Face Detection technology identifies people in a scene, an Advanced Acoustic Processor automatically reduces background noise, resulting in recorded voices with outstanding clarity and intelligibility.

Expanded recording/monitoring with mic/headphone jack

Features dedicated mic and headphone inputs for expanded audio recording options and convenient monitoring of audio with headphones (external microphones and headphones sold separately).

Highlight Playback creates movies with transitions for you

Why spend hours editing your movies when you can let your camcorder do it for you? Highlight Playback identifies and compiles key scenes into a short, entertaining movie complete with music and transitions. You can even pinpoint the exact scene you want to include in the highlight reel.

Clear Phase stereo speakers for true and dynamic sound

Bring your video alive with Clear Phase stereo speakers. Drawing on Sony's high-end audio expertise, renown S-Master™ digital amplifier technology is utilized to produce more true-to-life sound.

Geotagging with built-in GPS receiver & NAVTEQ® maps[7]

SONY
make.believe

A built-in GPS receiver[7] makes the HDR-CX430V Geotagging with built-in GPS receiver & NAVTEQ® maps an ideal choice for travelers. The receiver gives you the ability to view your current location on the LCD map display, as well as "tag" your shooting locations. Tagged videos and still images can be reviewed and played back using the Map Index function on the camcorder or once downloaded to your PC using the supplied PlayMemories Home software[9]. Additionally, the receiver automatically adjusts your camcorder's clock to the proper time zone

Direct Copy to external HDD without PC[13]

Store your memories in a whole new way with the ability to copy videos from your camcorder directly to an external hard disk drive[13] (sold separately), all without a computer. Your camcorder can also access videos stored on the external hard drive for playback on your HDTV[4], allowing you to utilize the camcorder's handy playback features.

Built-in USB cable for easy file transfer/charge

The high-speed, built-in USB 2.0 cable allows for easy connection to your computer for charging or file transfer without having to remember separate cables. It also fits conveniently into the hand strap so it's out of the way until you need it. Charging your camcorder is faster than ever now through the USB; for every two minutes of charge time you get one minute of recording time.

Intelligent Auto (180 different scene combinations possible)

Intelligent Auto mode goes a step beyond traditional auto modes by analyzing your shot and then automatically selecting the appropriate settings from ten distinct scene modes and wind noise reduction. There are 180 different combinations possible: Portrait, Baby, Walk, Tripod , Backlight, Landscape, Spotlight, Twilight, Macro, Low light, Auto Wind Noise Reduction. The camcorder utilizes an advanced sound processor and sophisticated noise reduction algorithms to reduce wind noise by up to 10db compared to other models. In addition to reducing low frequency noise, iAuto also suppresses mid- and upper-frequency noise, resulting in clearer, more enjoyable sound.

Record sequential still photos with Golf Shot

Building on the slow-motion capture capabilities of Smooth Slow Record, Golf Shot captures a few seconds of motion as a sequence of up to 22 still images, which can be viewed/printed individually or as a composite "sequence shot" image, perfect for analyzing the nuances of a golf swing, tennis serve, and other fast action.

Built-in Flash

The built-in flash will assist in shedding light on your subject when shooting still photos.

Specifications

Imaging Sensor	
Imaging Sensor	**1/3.91" (4.6mm) back-illuminated Exmor® R CMOS Sensor**
Processor	**BIONZ® image processor**
Pixel Gross	**Approx.5430K pixels**
Effective Picture Resolution	**Movie: Approx.2230K pixels(16:9) Still: Approx.2230K pixels(16:9)**
Color Filter System	**ClearVid™ array**
Recording	
Media Type	**Internal Flash Memory;Memory Stick PRO Duo™ (Mark 2);Memory Stick PRO-HG Duo™;Memory Stick XC-HG Duo™;SD/SDHC/SDXC Memory Card(Class 4 or Higher)**
Still Image Mode	**JPEG**
Still Image Max Effective Resolution	**8.9 megapixels**
Still Image Size 16:9	**Movie Mode: 8.9 megapixels 16:9 (3984x2240); Photo Mode: 8.9 megapixels 16:9 (3984x2240)**
Still Image Size 4:3	**Movie Mode:6.7 megapixels 4:3 (2992x2240); Photo Mode: 6.7 megapixels 4:3 (2992x2240)**
Video Mode	**HD: MPEG4-AVC/H.264 AVCHD 2.0 format.compatible; STD: MPEG2-PS; MP4: MPEG-4 AVC/H.264**
Video Resolution	**HD:1920x1080/60p(PS),60i(FX,FH), 1440x1080/60i(HQ,LP); STD:720x480/60i; MP4: 1280x720 30p**

SONY
make.believe

Video Actual (Pixel)	Approx.2230K pixels(16:9), Approx.1670K pixels(4:3)
Video Signal	HDTV, NTSC color, EIA standards
Recording and Playback Times (in Internal Media)(2ch)	HD PS: 2h20m; HD FX: 2h45m; HD FH: 3h45m; HD HQ: 6h40m; HD LP: 11h40m; STD HQ: 7h00m (Times are approximate; max time) ; MP4: 9hr55min
Photo Capture from Movie	2.1 megapixels 16:9 (1920x1080); 0.3 megapixels 4:3 (640x480); 0.2 megapixels 16:9 (640x360)
Dual Record	8.9 megapixels 16:9 (3984x2240); 4.5 megapixels 16:9 (2816 x 1584); 2.1 megapixels 4:3 (1920 x 1080)
Audio Format	Dolby® Digital 5.1ch, Dolby® Digital 5.1Creator; Dolby® Digital 2ch Stereo, Dolby® Digital Stereo Creator; MPEG-4 AAC-LC 2ch
Microphone/Speaker	Built-in Zoom Microphone; Monoral Speaker
Internal Media	Flash Memory 32GB
Mic Level Control	Yes (31steps)
Movie Recording Rate(Average Bit Rate/VBR)	HD PS: 28Mbps / FX:24Mbps / FH:17Mbps / HQ: 9Mbps / LP: 5Mbps (Approx)
Recording and Playback Times (in Internal Media)(5.1ch)	HD PS: 2h15m; HD FX: 2h40m; HD FH: 3h40m; HD HQ: 6h30m; HD LP: 11h15m; STD HQ: 6h45m (Times are approximate; max time)
Still Image File Format	DCF Ver.2.0 compatible, Exif Ver.2.3 compatible, MPF Baseline compatible
Wind Noise Reduction	Yes(On/Off)
Optics/Lens	
Lens Type	G™ Lens
Lens Stabilization	Balanced Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele)
Aperture	F1.8-F4.0
Optical Zoom	30x
Digital Zoom	350x
Focal Length (35mm equivalent)	Movie Mode: 26.8-804.0mm (16:9); 32.8-984.0mm (4:3) ; Photo Mode: 26.8-804.0mm (16:9), 32.8-984.0mm (4:3)
Filter Diameter	46mm
Minimum Focus Distance	Approx.1cm(Wide) ,Approx.80cm(Tele) ,Approx.37cm(Tele Macro)
Extended Zoom	55x
Focal Distance	f=1.9-57.0mm; f=3/32-2 1/4inch
Touch Panel	Yes
LCD Display	
LCD Type	3.0" (7.5cm) Clear Photo LCD Plus™ (230K) Wide (16:9)
Angle Adjustment	Opening Angle:max.90 deg., Turning Angle:max.270 deg.
Brightness Control	Yes(Menu)
Coverage	100%
Grid Display	Grid Line
Focus Control	
Focus System	Contrast AF
AF Modes	Auto/Manual(Touch Panel)
Focus Area	Full range Focus/Spot Focus
Focus Features	Tracking Focus
Exposure System	
Metering Modes	Multi-segment/Spot
Exposure Compensation	AE Shift(Touch Panel)
Exposure Settings	Auto; Manual(Menu); Flexible Spot(Touch Panel)
Scene Mode(s)	Auto/Twilight/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow
D-Range Optimizer	Yes
Noise Reduction	Yes
White Balance Mode	Auto/Onepush/Outdoor/Indoor

SONY
make.believe

Minimum Illumination	Standard:6 lux(1/30 Shutter Speed); Low Lux:3 lux(1/30 Shutter Speed)
Auto Iris Control	F1.8 - F10
Backlight Compensation	Yes(Auto)
LOW LUX Mode	Yes
WB Shift	Yes
Drive System	
Drive Mode	Photo Mode:Single-shot/Self-timer
Self-timer	Approx.10sec.(Still Image/Golf Shot)
Shutter Speeds	Shutter Speed(Standard): 1/30 - 1/10,000; Shutter Speed (Auto Control Range); Shutter Speed(Smooth Slow Rec) 1/250 - 1/10,000
Convenience Features	
Manual / Auto Lens Cover	Auto
S/S & Zoom button on LCD	Yes(Touch Panel)
Fader Effect(s)	White/Black
Date / Time Stamp	Yes(Rec Date and Time, Camera info)
Erase/Protect	Yes/Yes
Media/Battery Indicator	Yes(recordable time, free and used media space)/Yes(recordable time, remaining capacity)
Power Save Mode	Yes
Still Image Playback Options	Slide Show
Video Playback Options	Highlight Playback(HD Movie Only); Highlight Playback Save and Share(Translate into STD quality); Highlight Scenario(Save/Playback/Erase); Hightlight BGM(Preinstalled 4 music files, Music transfer)
Built-in USB Cable	Yes(USB Charge Available)
Multiple Language Display	English; Spanish; Brazilian Portugese; Canadian French
Self Recording	Yes
View & Index	Event/MAP
Airplane Mode	Yes
Advanced Features	
Audio Level Display	Yes
CinemaTone Gamma/Color	Yes
Closer Voice	Yes
Embedded GPS	Yes(Current Position Display(Your Location))
Face Detection	Yes
Golf Shot	Yes
Image Stabilization	Balanced Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele)
Intelligent Auto	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light/Auto wind noise reduction
Priority Setting (for Face Detection)	Auto/Child Priority/Adult Priority
Smile Shutter™ technology	Dual Capture/Always On/Off
Smooth Slow Rec	Yes
Wi-Fi Functionality	Remote control with mobile device, send to smartphone, send to PC (with optional wi-fi accessory
x.v.Color™	Yes
Interface	
Memory Card Slot	Memory Stick PRO Duo™ and SD/SDHC/SDXC compatible
SD Output	Composite Video Out(AV CABLE(sold separately))
HD Output	HDMI Out(micro)(supplied)
USB Port(s)	Multi Micro USB-AB/USB2.0 Hi-speed (mass-storage)
BRAVIA® Sync™	Yes
PhotoTV HD	Yes

SONY
make.believe

Headphone Jack	Stereo Minijack
Microphone Input	Stereo Minijack
Direct Copy	Yes
Accessory Shoe	Yes(Multi Interface Shoe)
DC IN	Yes
HDMI Terminal	Yes (HDMI micro)
Multi/Micro USB Terminal	Yes
Projector Input	Yes (HDMI micro)
Wi-Fi (Opt. Acc)	Yes
Weights and Measurements	
Dimensions (Approx.)	Approx.2 3/8inch x 2 5/8inch x 4 7/8inch (58mm x 66mm x 121mm)
Weight (Approx.)	Approx.11.3oz ((320g) Main Unit Only)
Power	
Power Requirements	6.8V/7.2V (battery pack); 8.4V (AC Adaptor)
Battery Type	InfoLITHIUM® with AccuPower™ Meter System (V Series)
Software	
Supplied Software	PC: PlayMemories Home Lite (built-in; for PC only); PlayMemories Home (by download); Music Transfer(by download); MAC:Music Transfer(by download); PlayMemories Online Uploader(by download)
Operating System Compatibility	Windows XP SP3 /Windows Vista SP2 /Windows7 64-bit editions and Starter (Edition) are not supported. The Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs.Starter (Edition) are not supported. Standard installation is required. Operation is not assured if the above OS has been upgraded or in a multi-boot environment.
Service and Warranty Information	
Limited Warranty Term	Limited Warranty --- 1 Year Parts; 90 Days Labor
Weights and Measurements	
Dimensions (Approx.)	Approx.2 3/8inch x 2 5/8inch x 4 7/8inch (58mm x 66mm x 121mm)
Weight (Approx.)	Approx.11.3oz ((320g) Main Unit Only); Approx.13.2oz(NP-FV50(supplied battery);Approx.14.8oz(NP-FV70); Approx.1lb2.3oz(NP-FV100)
Accessories	
Supplied Accessories	Rechargeable Battery Pack (NP-FV50) (1) AC adaptor (AC-L200) (1) Power Cord (1) HDMI(micro) Cable (1) USB Connection Support Cable (1) Step Down Ring (1) Operating Guide (1)

1. 1GB equals 1 billion bytes, a portion of which is used for data management functions
4. Requires HDTV and HDMI cable sold sep.
7. Map service provided by Google and subject to change without notice.
9. For PC: Requires Microsoft® Windows® XP SP3/ Windows V Ista® SP2/Windows 7. For Mac: Requires Mac OSX (v10.5-10.7)
13. Requires via VMC-UAM1 cable (sold separately), AC power for camcorder, and hard drive formatted in FAT-32. USB-hub not supported. External HHD/USB media should be less than 2TB(Terabytes)
14. Wi-Fi capable with optional accessory ADP-WL1M1, not included.